



# JOTUN

# *Penguard* | PRO

The universal high build epoxy coating



# Penguard | PRO

## Epoxy primer for atmospheric & submerged areas

Penguard Pro is a high solids, 2-pack epoxy coating for all-round use as an anticorrosive primer, intermediate coat or finish coating for the protection of steel and other substrates in harsh environments.

With a DFT range from 100–500 microns and application in temperatures from -5°C to 40°C, the all-round benefits of Penguard Pro provide substantial benefits whatever the season, wherever the location. Fewer coats and lower dry-to-recoat times allow for quick handling, increased throughput and greater efficiency during the paint application process.

The addition of glassflakes in Penguard Pro GF and aluminium pigments in Penguard Pro Alu provide even greater, longer lasting protection.



\*Atmospheric conditions

### For Offshore



Jotun challenged the performance of Penguard Pro with testing, undertaken at independent laboratories, of systems according to the requirements of 'System 1' and 'System 7' ISO 20340/NORSOK M-501.

The results were as follows:

<b>NORSOK System 1</b>	<b>DFT Approved</b>	
	<b>µm</b>	
Barrier Plus	60	
Penguard Pro	150	✓
Hardtop Optima	75	
<b>Total</b>	<b>285</b>	

<b>NORSOK System 1</b>	<b>DFT Approved</b>	
Penguard Pro GF	250	
Penguard Pro GF	250	✓
Hardtop Optima	75	
<b>Total</b>	<b>575</b>	

<b>NORSOK System 7</b>	<b>DFT Approved</b>	
Penguard Pro GF	250	
Penguard Pro GF	250	✓
<b>Total</b>	<b>500</b>	



# Benefits for owners – benefits for constructors

## FOR THE OWNER

- Unrivalled quality
- Products tested and proven worldwide
- Performance guarantees
- Market leading technology
- Longer design life – protecting properties



Benefits  
all round

## FOR THE CONSTRUCTOR

- Flexibility through a wide DFT range, all year application, fast drying and recoating intervals
- Fewer coats mean faster turnaround
- Broad temperature application range improves efficiency
- Recoating: 23°C – 3 hours  
5°C – 10 hours  
-5°C – 24 hours
- For steel, galvanised and aluminium
- Submerged: steel and aluminium

## For Infrastructure

### EXAMPLE BRIDGE STRUCTURE, ATMOSPHERIC:

	DFT $\mu\text{m}$
Barrier Plus	60
Penguard Pro	150
Hardtop Optima	75
<b>Total</b>	<b>285</b>



# Wider application tolerance / -5°C to 40°C

‘All round, all seasons application’

Penguard Pro can be easily applied to all areas of a construction in the widest range of film thicknesses – up to 500 microns in a single coat.

Penguard Pro can be applied winter through to summer, whatever the season, wherever the location in temperatures from -5°C to 40°C.

With VOCs of only 200 (UK-PG6/23[97]) Penguard Pro complies with all regulations.



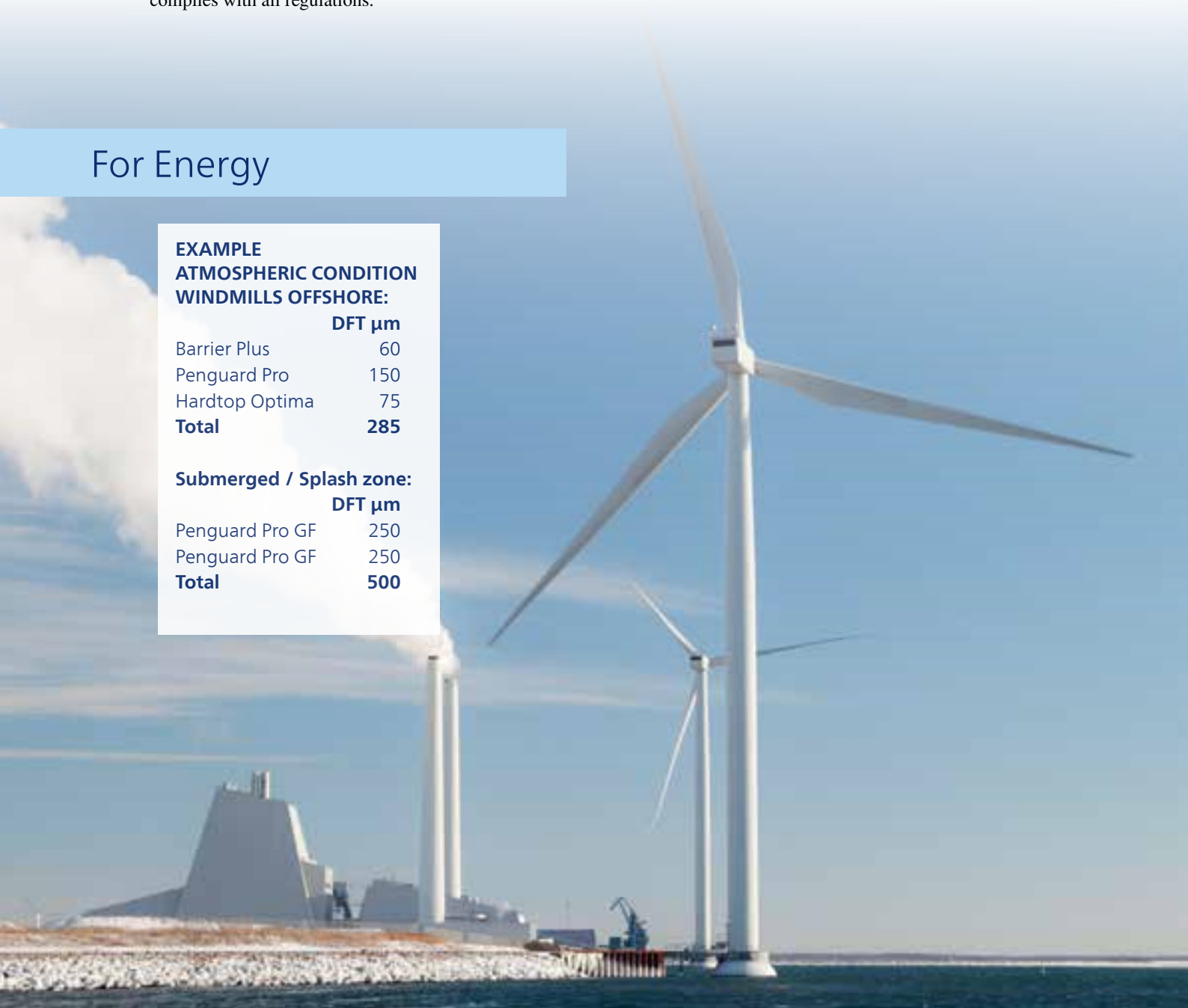
## For Energy

### EXAMPLE ATMOSPHERIC CONDITION WINDMILLS OFFSHORE:

	DFT $\mu\text{m}$
Barrier Plus	60
Penguard Pro	150
Hardtop Optima	75
<b>Total</b>	<b>285</b>

### Submerged / Splash zone:

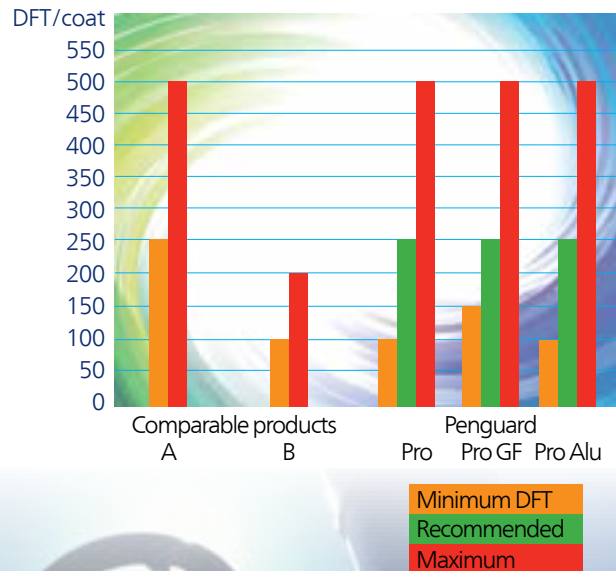
	DFT $\mu\text{m}$
Penguard Pro GF	250
Penguard Pro GF	250
<b>Total</b>	<b>500</b>



# Wider DFT choice / 100–500 microns DFT

Penguard Pro has been developed to provide performance and benefits to both owner and constructor delivered primarily through:

- very wide application range:
  - DFT minimum 100  $\mu\text{m}$
  - DFT maximum 500  $\mu\text{m}$
  - DFT recommended/coat 250  $\mu\text{m}$
- short drying times
- low VOCs
- ease of application



For HPI

## EXAMPLE C4 ENVIRONMENTS:

	DFT $\mu\text{m}$
Barrier Plus	60
Penguard Pro	125
Hardtop Optima	75
<b>Total</b>	<b>260</b>



# Jotun worldwide

Jotun Coatings and Jotun Paints  
Division of Jotun A/S  
Legal Jotun entities world wide are  
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Jotun Protects Property